

110.4 - Agricultural Materials (powder form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	1515	1547	1570a	1573a	1575a	2695	8412	8413
Description	Apple Leaves	Peach Leaves	Trace Elements in Spinach Leaves	Tomato Leaves	Trace Elements in Pine Needles	Fluoride in Vegetation	Corn Stalk (Zea mays)	Corn Kernel (Zea mays)
Unit Size	(50 g)	(50 g)	(60 g)	(50 g)	(50 g powder)	(2 x 25 g (1 ea conc))	(34 g)	(47 g)

Elemental Composition as mass fraction in mg/kg (ppm) unless noted by an * asterisk for %.

Aluminum	286	249	310	598	580		(4)
Antimony	(0.013)	(0.02)		0.063			
Arsenic	0.038	0.060	0.068	0.112	<i>0.039</i>		
Barium	49	124		(63)	6.0		
Boron	27	29	37.7	33.3	9.6		
Bromine	(1.8)	(11)		(1300)			
Cadmium	(0.013)	(0.026)	2.876	1.52	0.233		
Calcium	1.526*	1.56*	1.526*	5.05*	0.25*	0.216*	42
Cerium	(3)	(10)		(2)	(0.11)		
Cesium				(53)	0.283		
Chlorine	579	360		(6600)	421	0.244*	(450)
Chromium	(0.3)	(1)		1.99	(0.3-0.5)		
Cobalt	(0.09)	(0.07)	0.393	0.57	<i>0.061</i>		
Copper	5.64	3.7	12.22	4.70	2.8	8	3.0
Europium	(0.2)	(0.17)	0.0055				

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Fluorine				64 / 277	(0.65)	(0.24)
Gadolinium	(3)	(1)	(0.17)			
Gold	(0.001)					
Hydrogen			(5.2*)			
Iodine	(0.3)	(0.3)	(0.85)			
Iron	(83)	(218)		368	46	139
Lanthanum	(20)	(9)	(2.3)			(23)
Lead	0.470	0.87	(0.2)	0.167		
Magnesium	0.271*	0.432*	(0.9*)	(1.2*)	0.106*	0.160*
Manganese	54	98	76.0	488		0.0990*
					15	4.0

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Mercury	0.044	0.031	0.0297	0.034	0.0399		
Molybdenum	0.094	0.060		(0.46)			
Neodymium	(17)	(7)					
Nickel	0.91	0.69	2.142	1.59	1.47		
Nitrogen	2.25*	2.94*	6.06*	3.03*		(6970)	(13750)
Phosphorus	0.159*	0.137*	0.5187*	0.216*	0.107*		

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Potassium	1.61*	2.43*	2.900*	2.70*	0.417*	1.735*	0.357*
Potassium (K)	1.61*	2.43*	2.900*	2.70*	0.417*	1.735*	0.357*
Rubidium	10.2	19.7	12.7	14.89	16.5		
Samarium	(3)	(1)		(0.19)			
Scandium	(0.03)	(0.04)	0.0055	(0.1)	0.0101		
Selenium	0.050	0.120	0.1152	0.054	0.099	(0.016)	(0.004)
Sodium	24.4	24	1.821*	136	63		(28)
Strontium	25	53	55.54	(85)			12
Sulfur	(0.18*)	(0.2*)	(0.5*)	(0.96*)			
Terbium	(0.4)	(0.1)					
Thorium	(0.03)	(0.05)	0.0480	(0.12)			
Tin	(< 0.2)	(< 0.2)					
Tungsten	(0.007)						
Uranium	(0.006)	(0.015)	0.155	(35)			
Vanadium	0.26	0.37	0.568	0.835			
Ytterbium	(0.3)	(0.02)					

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Zinc	12.5	17.9	82.3	30.9	38	32	15.7
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